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Ref: Sampling and lab analysis on # 6 Fuel Oil from Shore Tank # 6 after discharge from the barge E-11104 at Sprague – Rennsalear, NY on April 5, 2006.

File Number : 42198

Sample Number: 42198-8

CERTIFICATE OF ANALYSIS SHORE TANK # 6

TEST	METHOD	UNITS	RESULT
		UPPER	
API Gravity	D-287	° API @ 60 °F	15.6
Viscosity	D-445	cSt @ 122 ° F	236.1
		MIDDLE	
API Gravity	D-287	° API @ 60 °F	15.5
Viscosity	D-445	cSt @ 122 ° F	244.2
		LOWER	
API Gravity	D-287	° API @ 60 °F	12.6
Viscosity	D-445	cSt @ 122 ° F	376.0
		COMPOSITE	
API Gravity	D-287	° API @ 60 °F	14.6
Viscosity	D-445	cSt @ 122 ° F	280.2
Sulfur	D-4294	Weight %	0.484
Pour Point	D-97	° F	37
Flash Point	D-93	° F	200
Water by Distillation	D-95	Volume %	0.3
Ash	D482	Weight %	0.07
MCR	D-4530	Weight %	8.10
Vanadium	D-5863	PPM	48
Sodium	D-5863	PPM	10
Nitrogen	D-5762	Weight %	0.38
Asphaltenes	IP-143	Weight %	1.40
Heating Value	D-240	BTU / Gal	151,253

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